

ABSTRACT OF THE DISCLOSURE

A balanced splitter has six $1/4$ strip lines. The first and third strip lines are electromagnetically coupled to each other to form a coupler. The second and fourth strip lines are electromagnetically coupled to each other to form a coupler. The first and fifth strip lines are electromagnetically coupled to each other to form a coupler. The second and sixth strip lines are electromagnetically coupled to each other to form a coupler. The first and second strip lines are connected in series to form an unbalanced line, the third and fourth strip lines form a first balanced line, and the fifth and sixth strip lines form a second balanced line. First and second resistors are electrically connected between a first balanced terminal and a second balanced terminal, and between another first balanced terminal and another second balanced terminal, respectively.